

LISTING OF THE CLAIMS:

1. (Currently Amended) A system for determining and displaying icons representing text files, comprising:

a content extractor for determining ~~one or more~~ a plurality of topics ~~of all or parts~~ of a text file by examining words in the file;

a means for associating a respective one of a plurality of icons with each of the a plurality of topics ~~with a plurality of icons~~;

means for assigning weighted values to each of said plurality of topics;

a selector for selecting at least one of the plurality of icons to represent the text file ~~or portion~~ ~~of a file~~ on the basis of weighted values assigned to said ~~one or more determined~~ topics; and

a display for displaying the selected at least one of said icons to represent the text file.

2. (Original) A system according to Claim 1, wherein the selector includes means for selecting the closest one of a group of available icons to represent the text file.

3. (Currently Amended) A system according to Claim 1, wherein the content extractor includes means for ~~determining several topic icons for the text file~~ selecting a plurality of icons to represent the text file on the basis of the weighted values assigned to said topics.

BEST AVAILABLE COPY

4. (Currently Amended) A system according to Claim 3, wherein: ~~the topic icons form a composite icon associated with a different parts of the text file.~~

each of the plurality of topics is associated with a respective one part of the text file;

the selector forms a composite icon including said selected plurality of icons; and

each of the selected plurality of icons, in the composite icon, points to the part of the text file associated with the topic that is associated with the icon.

5. (Original) A system according to Claim 3, wherein the several icons are sensed by different senses.

6. (Original) A system according to Claim 1, wherein the icons facilitate use of a computer by people with various disabilities.

7. (Currently Amended) A system for representing contents of computer files via icons, the system comprising:

a computer memory including a group of directories with lists of files;

a semantic content extractor for ~~extracting information and determining one or more~~ topics from an examination of words in the files; and

a module for creating a plurality of icons representing the files, on the basis of the information and including:

a means for associating a respective one of the icons with each of the determined topics, means for assigning weighted values to each of said plurality of topics, and means for selecting icons to represent the files based on the weighted values assigned to said one or more determined topics.

8. (Original) A system according to Claim 7, wherein the semantic content extractor includes:

a module that associates with a text file a language model, and word, key words and key phrases counts;

a topic identifier that uses the language model and counts to identify a topic; and

a module that partitions a text in a file by topic count.

9. (Original) A system according to Claim 8, wherein the topic identifier uses likelihood ratio to partition texts in parts by topics; likelihood in this ratio are defined by using probabilities of words from language models of the text in a file and language models for various topics that are stored in the database.

10. (Cancelled).

11. (Currently Amended) An icon creator for creating an icon representing a file, comprising:

a semantic content extractor for identifying the importance and significance of ~~one or more~~ a plurality of topics associated with the file based on an examination of words in the file; and

a matcher to create a match of data and images to create an icon using a database of images and a database of icons, including:

a means for associating a respective one of the icons with each of the topics, means for assigning weighted values to each of said plurality of topics, and means for selecting icons to represent the files based on the ~~and based on~~ weighted values assigned to one or more of the identified topics; and

wherein each icon has an index attachment, which opens directly to the file.

12. (Original) An icon creator according to Claim 11, wherein a blind person can use a sound icon using the database of sound icons; this would enable the blind user to use their sense of hearing to choose the file they wish to open.

13. (Original) An icon creator according to Claim 11, further comprising means to allow a person with a reading disability to use the icon system, including a group of files that are formed into an icon attachment; the user then chooses an icon, using the pictures or sounds and the user can then use a speech synthesizer can listen to a file.

14. (Previously Presented) An icon creator for creating an icon representing a file, said file including a larger part showing cars, a smaller part showing travel, and a middle sized part showing dealerships, the icon creator comprising:

a semantic content extractor for identifying the importance and significance of topics associated with the file based on an examination of words in the file;

a matcher to create a match of data and images to create composite icons using a database of images and a database of icons; wherein said composite icons contain multiple topics including cars and travel, and dealerships; and

means to contain an index which lists information on cars or building, means to show where the information on cars is placed in the file; and wherein, using a fraction method, the files can be broken down;

wherein each icon has an index attachment, which opens directly to the file.

15. (Currently Amended) A method for creating icons, comprising:

generating a list of files;

reading the word content of each file;

for each file,

i) attaching a plurality of topics to each the file based on the read word content of the file;

ii) generating a plurality of icons for the files file based on said the topics attached to the file;

iii) ~~if several topics,~~ creating a composite icon ~~containing many topics~~ for the file from the plurality of icons generated for the file; and

iv) using said plurality of icons in the composite icon to point to different parts of the file having the different topics associated with said plurality of icons;

creating an index of topics;

printing a list of icons near file names; and

creating a list of icons to list files.

Claims 16 and 17 (Cancelled).

18. (Currently Amended) A program storage device readable by machine, tangibly embodying a program of instructions executable by the machine to perform method steps for determining and displaying icons representing files containing text, said method steps comprising:

determining ~~one or more~~ a plurality of topics of a file by examining words in the file;

searching a database of icons;

~~on the basis of~~ assigning weighted values to each of said plurality of topics, including:

associating a respective one of the icons with each of the topics, assigning weighted values to each of said plurality of topics, and selecting icons to represent the files based on the weighted values assigned to said ~~one or more~~ determined topics, selecting ~~one of the icons in the database to represent the file;~~ and

displaying the selected icon to represent the file.

19. (Original) A program storage device according to Claim 18, wherein in the database, each icon is associated with words, and wherein:

the determining step includes the sep of using a semantic content extractor to identify the importance and significance of topics associated with the file; and

the selecting step includes the step of comparing said topics with the words in the database to select one of the icons to represent the file.

20. (Previously Presented) The system in claim 1, where the icons contain advertisements, which may be hyperlinks.

21. (Previously Presented) The system in claim 20 where users pay less for the system if ads advertisements are included.

22. (Previously Presented) The system in claim 20 where an advertiser pays a manufacturer or seller of system for including said advertisements in the icons.

**This Page is Inserted by IFW Indexing and Scanning
Operations and is not part of the Official Record**

BEST AVAILABLE IMAGES

Defective images within this document are accurate representations of the original documents submitted by the applicant.

Defects in the images include but are not limited to the items checked:

- ☐ **BLACK BORDERS**
- ☐ **IMAGE CUT OFF AT TOP, BOTTOM OR SIDES**
- ☐ **FADED TEXT OR DRAWING**
- ☐ **BLURRED OR ILLEGIBLE TEXT OR DRAWING**
- ☐ **SKewed/SLANTED IMAGES**
- ☐ **COLOR OR BLACK AND WHITE PHOTOGRAPHS**
- ☐ **GRAY SCALE DOCUMENTS**
- ☐ **LINES OR MARKS ON ORIGINAL DOCUMENT**
- ☐ **REFERENCE(S) OR EXHIBIT(S) SUBMITTED ARE POOR QUALITY**
- ☐ **OTHER:** _____

IMAGES ARE BEST AVAILABLE COPY. **IMAGES ARE**
As rescanning these documents will not correct the image
problems checked, please do not report these problems to
the IFW Image Problem Mailbox. **the IFW Image**